BRUHAT BANGALORE MAHANAGARA PALIKE, BANGALORE

Name of Work: Construction of building for Indoor games at Mallasandra Sy No.33 in Ward No.13

Modified Estimate

Estimated Cost.150.00Lakhs

Assistant Executive Engineer
Project Division Dasarahalli
BBMP, Bangalore

Executive Engineer
Project Division Dasarahalli
BBMP, Bangalore

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BRUHAT BANGALORE MAHANAGARA PALIKE
EXCECUTIVE ENGINEER Dasarahalli project division
Name of work:Construction of building for Indoor games at Mallasandra Sy No.33 in Ward No.13

JOB NUMBER.:						SI-8	Est. Amount	150.00	Lakhs
Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		In Rs.	In Rs.
1	KSRB 2-2.1 : Earthwork excavation by manual means for foundation of buildings, culverts, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. hard soil. No. KBS 2.1(b)/2.3.5 (Item No.2.3, Page No.5, SR: 2016-17)								
	INDOOR GAME BUILDING								
	Entrance Portico		1	5.80	3.60	3.00	62.64		
			2	3.00	2.40	3.00	43.20		
						Total Modified Qty	**105.84**		
						Total Schedule-B Qty	**127.44**		
						Qty Up to 125%	**105.84**	**304.1**	**32188.06**
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap cum broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m.and lift of 1.5m,complete as per specifications,(PWP,IWTD) SR Bangalore Circle 2014. specification. No. KBS (Item No.2.15, Page No.6, SR: 2016-17)								
	INDOOR GAME BUILDING								
	Entrance	Cum	1	5.80	3.60	0.25	5.22		
			2	3.00	3.60	0.25	5.40		
	Flooring Bed								
	Open space		1	41.00	19.60	0.25	200.90		
	Entrance		1	4.89	2.77	0.25	3.39		
						Total Modified Qty	**214.91**		
						Total Schedule-B Qty	**214.91**		
						Qty Up to 125%	**214.91**	**2283.12**	**490,656.93**
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Item No.4.2, Page No.12, SR: 2016-17)								
	INDOOR GAME BUILDING								

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		In Rs.	In Rs.
	Entrance Portico		1	5.80	3.60	0.15	3.13		
			2	3.00	2.40	0.15	2.16		
	Flooring Bed		1	41.00	19.60	0.15	120.54		
	Potico		1	4.89	2.77	0.15	2.03		
						Total Qty	127.86		
						Total Schedule-B Qty	131.73		
						Qty Up to 125%	127.86	5449.68	696,816.77
4	KSRB 5.3-3: Providing and constructing granite / trap / basalt size stone masoniy in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Item No.5.9, Page No.23, SR: 2016-17)								
	INDOOR GAME BUILDING								
	Entrance Portico		1	4.75	0.90	0.60	2.57		
			2	3.00	0.90	0.60	3.24		
	Entrance Portico		1	4.75	0.60	1.95	5.56		
			2	3.00	0.60	1.95	7.02		
	Indoor game Building								
	East Side								
	Up to footing top Level		4	1.75	1.20	0.55	4.62		
	Above Footing		1	19.80	0.90	2.45	43.66		
			-5	0.65	0.43	2.45	-3.42		
	Above GL		1	19.80	0.38	1.00	7.52		
			-5	0.65	0.38	1.00	-1.24		
	West Side						0.00		
	Up to footing top Level		4	1.75	1.20	0.55	4.62		
	Above Footing		1	19.80	0.90	3.40	60.59		
			-5	0.65	0.43	3.40	-4.75		
	Above GL		1	19.80	0.38	2.80	21.07		
			-5	0.65	0.38	2.80	-3.46		
							0.00		
	North Side						0.00		
	Up to footing top Level		10	1.75	1.20	0.68	14.18		
	Above Footing		1	42.20	0.90	2.95	112.04		
			-11	0.65	0.58	3.40	-13.98		
	Above GL		1	42.20	0.38	1.90	30.47		
			-11	0.65	0.38	1.90	-5.16		
	South Side						0.00		
	Up to footing top Level		10	1.75	1.20	0.68	14.18		
	Above Footing		1	42.20	0.90	2.20	83.56		
			-11	0.65	0.58	2.20	-9.04		
	Above GL		1	42.20	0.38	1.90	30.47		

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		In Rs.	In Rs.
			-11	0.65	0.38	1.90	-5.16		
							399.13		
	Deduct Qty								
	West Side								
	Up to footing top Level								
			2	1.75	1.20	0.53	2.23		
			2	1.85	1.20	0.53	2.35		
			3	1.85	1.20	0.53	3.53		
	Above the Footing		1	19.70	1.20	0.60	14.18		
			1	19.70	0.90	0.60	10.64		
			1	19.70	0.60	0.60	7.09		
			1	19.70	0.60	0.45	5.32		
	Deduct Pedastral P2		-4	0.65	0.58	2.25	-3.36		
	South Side								
	Up to footing top Level								
			3	1.75	1.20	0.53	3.34		
	Above the Footing		1	32.30	0.75	1.10	26.65		
			1	9.40	0.75	1.37	9.66		
			-7	0.65	0.58	1.10	-2.88		
			-2	0.65	0.58	1.37	-1.02		
	North Side								
	Up to footing top Level		2	1.85	1.20	0.53	2.35		
			2	1.85	1.20	0.53	2.35		
							82.43		
							Total Modified Qty	**316.70**	
							Total Schedule-B Qty	**320.52**	
							Qty Up to 125%	**316.70**	**5405.40**	**1711894.64**
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Item No.4.6, Page No.12, SR: 2016-17)								
		Cum							
							Total Modified Qty	**0.00**		
							Total Schedule-B Qty	**2.10**		
							Qty Up to 125%	**0.00**	**5876.28**	**0.00**

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		In Rs.	In Rs.
6	KSRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1,4.6 (Item No.4.10, Page No.13, SR: 2016-17)								
	INDOOR GAME BUILDING								
	For Footings	Cum							
	F1		22	2.85	3.20	0.68	135.432		
	F2		8	2.40	2.65	0.53	26.712		
	F3		2	2.00	2.00	0.38	3.00		
	Column Below Plinth (Pedesstal)								
	P1		22	0.65	0.58	2.85	23.43		
	P2		8	0.65	0.43	2.85	6.37		
	P3		2	0.50	0.50	2.85	1.43		
	For Tie beam (Below ground)								
	PB1 &PB4		2	35.75	0.23	0.45	7.40		
	PB6 &PB7		2	18.00	0.23	0.45	3.73		
	PB2 &PB3		2	2.35	0.23	0.45	0.49		
	PB5		1	4.69	0.23	0.45	0.49		
	Plinth Beam								
	PB1 &PB4		2	35.75	0.23	0.45	7.40		
	PB6 &PB7		2	18.00	0.23	0.45	3.73		
	PB2 &PB3		2	2.35	0.23	0.45	0.49		
	PB5		1	4.69	0.23	0.45	0.49		
							Total Modified Qty	**220.57**	
							Total Schedule-B Qty	**220.57**	
							Qty Up to 125%	**220.57**	**6718.68**	**1481952.38**
7	KSRB 2.3: Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9 (Item No.2.10, Page No.6, SR: 2016-17)								
	INDOOR GAME BUILDING								
		Cum	1	41.00	19.60	1.90	1526.84		
			1	4.89	2.77	1.90	25.74		
							Total Modified Qty	**1552.58**	
							Total Schedule-B Qty	**1552.58**	

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
8	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, specification. No. KBS 2.9.9/2.9.10.1/2.1.1 (I.tm No.2.12, P.No.6, SR:2016-17)						Qty Up to 125% 1552.58	137.16	212951.33
	INDOOR GAME BUILDING								
	Allround SSm Foundation	Cum							
	North and South Side Filling		2	41.00	1.50	1.90	233.70		
	East and West Side Filling		2	19.60	1.50	1.90	111.72		
							Total Modified Qty 345.42		
							Total Schedule-B Qty 352.26		
							Qty Up to 125% 345.42	274.32	94,755.61
9	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets j*tc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, specification No. KBS 4.t, 4.6 (Item No.4.12, Page No.13, SR: 2016-17)								
	INDOOR GAME BUILDING								
	Coloumns								
	C1		22	0.45	0.38	2.20	8.17		
	C2		8	0.45	0.23	2.20	1.82		
	C3		2	0.07		2.20	0.31		
	For Lintel Beam								
	LB1 &LB4		2	35.75	0.23	0.375	6.17		
	LB6 &LB7		2	18.00	0.23	0.375	3.11		
	Coloumns								
	C1		22	0.45	0.38	0.425	1.58		
	C2		8	0.45	0.23	0.425	0.35		
	C3		2	0.07		0.43	0.06		
							Total Modified Qty 21.56		
							Total Schedule-B Qty 84.60		
							Qty Up to 125% 21.56	6876.36	148241.86

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
10	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (Item No.4.19, Page No.14, SR: 2016-17)								
							Total Modified Qty	0.00	
							Total Schedule-B Qty	35.34	
							Qty Up to 125%	0.00	492.48	0.00
	KSRB 4-2.12 : Extra for providing throating or drip moulding to R.C.C. chajja with plastering (labour charges only) as per specifications. Specification No. KBS (Item No.4.21, Page No.14, SR: 2016-17)								
	W	M	31	3.10			0.00		
							Total Qty	0.00	21.60	0.00
	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (Item No.4.28, Page No.15, SR: 2016-17)								
	INDOOR GAME BUILDING								
	For Footings	Sqm							
	F1		22	12.10		0.68	179.69		
	F2		8	10.10		0.53	42.42		
	F3		2	8.00		0.38	6.00		
							Total Modified Qty	228.11		
							Total Schedule-B Qty	228.11		
							Qty Up to 125%	228.11	249.48	56,907.64
	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting,. propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached1 pilasters, buttresses, plinth cilis and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.31, Page No.15, SR: 2016-17)								
	INDOOR GAME BUILDING								
	or Tie beam								
	31 &PB4		4	35.75		0.45	64.35		
	36 &PB7		4	18.00		0.45	32.40		
	2 &PB3		4	2.35		0.45	4.23		
	5		2	4.69		0.45	4.22		
	r Plinth Beam						0.00		
	1 &PB4		4	35.75		0.45	64.35		
	6 &PB7		4	18.00		0.45	32.40		

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		In Rs.	in Rs.
	PB2 &PB3								
	PB5		4	2.35		0.45	4.23		
	Eave Wall(parapaet Wall)		2	4.69		0.45	4.22		
			4	41.00		1.50	246.00		
						Total Modified Qty	456.40		
						Total Schedule-B Qty	210.40	263.0	83223.72
						Qty Up to 125%	210.40	316.44	66,578.98
						Qty Above 125%	246.00	316.44	77,844.87
14	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No4.32, Page No.16, SR: 2016-17)							193.40	6199.496
	INDOOR GAME BUILDING								
	Column Below Plinth (Pedesstal)	Sqm							
	Pedesstal Below Plinth								
	P1		22	2.46		2.85	154.24		
	P2		8	2.46		2.85	56.09		
	P3		2	2.00		2.85	11.40		
						Total Modified Qty	221.73		
						Total Schedule-B Qty	221.73		
						Qty Up to 125%	221.73	395.28	87,645.43
5	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.34, Page No.16, SR: 2016-17)								
	INDOOR GAME BUILDING								
	Coloumns								
	C1		22	1.65		2.15	78.05		
	C2		8	1.36		2.15	23.39		
	C3		2	0.07		2.15	0.30		
	For Lintel Beam								
	LB1 &LB4		4	35.75		0.38	53.63		
	LB6 &LB7		4	18.00		0.38	27.00		
						Total Modified Qty	182.36		
						Total Schedule-B Qty	171.87		
						Qty Up to 125%	182.36	276.48	50,419.72
	SRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and emoval of form work for flat surface such as roofs, landings, balconies and likes, ickness upto 200 mm including cost of all materials, labour complete as per ecificaitons.up to 3.50m from Ground level. Specification No. KBS 4.6.2 (I.tm No.4.18, No.15, SR:2016-17)								
	DOOR GAME BUILDING								
	d and Final Bill								

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		In Rs.	In Rs.
	Roof Portico								
	Projection Slab		1	6.55	3.49		22.83		
			2	41.00	1.15		94.30		
						Total Modified Qty	117.13		
						Total Schedule-B Qty	143.70		
						Qty Up to 125%	117.13		
17	KSRB 4-6.9 Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.36, Page No.16, SR: 2016-17)							338.04	39,593.53
	INDOOR GAME BUILDING								
	3rd and Final Bill								
	Roof Portico		1	6.55		0.15	0.98		
			2	3.49		0.15	1.05		
	Projection Slab		2	41.00		0.15	12.30		
						Total Qty	14.33		
						Total Schedule-B Qty	39.66		
						Qty Up to 125%	14.33	732.24	10,492.63
	KSRB 4-6.10 Providing and removing centering, shuttering, strutting, Sqm propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.37, Page No.16, SR: 2016-17)								
	INDOOR GAME BUILDING								
						Total Qty	0.00		
						Total Schedule-B Qty	35.34		
						Qty Up to 125%	0.00	291.60	0.00
	KSRB 6-3.4 : Providing and **constructing burnt brick masonry** with approved quality of non-modular bricks of standard size of class designation 7.5Newton per sqmm with cement mortar 1:3 for basement and superstructure (Machine moulded Wirecut bricks) with cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 (I.tm No.6.11, P.No.27, SR:2016-17)								
	NDOOR GAME BUILDING								
						Total Qty	0.00		
						Total Schedule-B Qty	3.80		
						Qty Up to 125%	0.00	11451.24	0.00
	SRB 4.9.2 : Providing **T.M.T steel reinforcement** for R.C.C work including traightening, cutting, bending, hooking, placing in position, lapping and / or welding herever required, tying with binding wire and anchoring to the adjoining members herever necessary complete as per design (laps, hooks and wastage shall not be easured and paid) cost of materials, labour, HOM of machinery complete as per ecifications. Specification No. KBS 4.6.3 (TMT bars Fe 500) (Item No.4.46.2, Page .17, SR: 2016-17)								
	DOOR GAME BUILDING								
	eel								

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
	For One Cum 160Kgs of Concrete Qty Sl no 6		1	35.29			35.29		
	For One Cum 140Kgs of Concrete Qty Sl no 9+E1		1	11.06			11.06		
						Total Qty	46.82		
						Total Schedule-B Qty	40.12		
						Qty Up to 125%	46.82	65455.6	3064629.32
21	KSRB 5-14: Providing and **constructing load bearing wall** with solid concrete blocks of size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.54 (Item No.5.26.1, Page No.25, SR: 2016-17)								
	INDOOR GAME BUILDING								
	Wall								
	South Side		1	41.00		2.15	88.15		
	North Side		1	41.00		2.15	88.15		
	East Side		1	7.10		2.15	15.27		
			1	7.15		2.15	15.37		
	West Side		1	19.80		2.15	42.57		
	Deductions Coloumns		-18	0.38		2.15	-14.51		
			-6	0.23		2.15	-2.97		
	3rd and Final Bill								
	South Side		1	41.00		0.50	20.50		
	North Side		1	41.00		0.50	20.50		
	East Side		1	7.10		0.50	3.55		
			1	7.15		0.50	3.58		
	West Side		1	19.80		0.50	9.90		
	Deductions Coloumns		-18	0.38		0.50	-3.38		
			-6	0.23		0.50	-0.69		
							285.99		
						Total Schedule-B Qty	481.14		
						Qty Up to 125%	285.99		
						Qty Above 125%	285.99	1011.96	289408.42
	SRB 9.4-1 : Providing Honne **wood frames of doors,** windows, clerestory windows, entilators and other frames, wrought, framed or assembled including making plaster oves (excluding cost of cement concrete and side clamps), but including cost of aterials, labour, HOM of machineries complete as per specifications. Specification No. S 9.33 (I.tm No.9.11, P.No.51, SR:2016-17)								
						Total Modified Qty	0.00		
						Total Schedule-B Qty	0.42		
						Qty Up to 125%	0.00	111083.4	0.00

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		In Rs.	In Rs.
23	KSRB 9-13-1: Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade Melamine impregnated prelamination particle board of approved colour on both sides including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, 9.26.4 (I.tm No.9.34, P.No.53,								
						Total Modified Qty	0.00		
						Total Schedule-B Qty	10.29		
						Qty Up to 125%	0.00	3889.08	0.00
24	KSRB 7.8: Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows, not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenonned and revetted into the frames electrically. AH the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour charges and HOM of machinery complete as per specifications. (Item No.7.8, Page No.32, SR: 2016-17)								
						Total Modified Qty	0.00		
						Total Schedule-B Qty	27.90		
						Qty Up to 125%	0.00	3213.00	0.00
	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12 (Item No.7.9, Page No.32, SR: 2016-17)								
						Total Modified Qty	0.00		
						Total Schedule-B Qty	2085.53		
						Qty Up to 125%	0.00	84.24	0.00

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Sl. NO	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		in Rs.	in Rs.
26	KSRB 7.11 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raui plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar.using aluminium section anodized to 12 -15 microns. (Item No.7.11.1, Page No.33, SR: 2016-17)								
							Total Modified Qty	0.00	
							Total Schedule-B Qty	62.78	
							Qty Up to 125%	0.00	4418.28	0.00
7	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick t| base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification. (Item No.7.29, Page No.40, SR: 2016-17)								
	INDOOR GAME BUILDING								
		Kgs							
	150mm Tabular Pipe Top & Bottom								
	100mm Cross bracing								
	0mm Cross bracing								
	00mm Perline Pipe								
	ates								
	aring Plates								
	t & Bolts Lump Sum								
							24100.0		
							Total Modified Qty	24100.0	

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		In Rs.	In Rs.
						Total Schedule-B Qty	24460.5		
						Qty Up to 125%	24100.0	118.8	2863080.00
28	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550mpa steel grade, 5-7 microns (Item No.38.30, Page No.300, SR: 2016-17)								
	INDOOR GAME BUILDING								
	Roof Area	Sqm	1	41.60	22.00		915.20		
						Total Modified Qty	915.20		
						Total Schedule-B Qty	915.20		
						Qty Up to 125%	915.20	831.60	761080.32
	KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets j*tc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, specification No. KBS 4.t, 4.6 (Item No.4.12, Page No.13, SR: 2016-17)								
	INDOOR GAME BUILDING								
	For FF Level								
	Coloumns								
	C1		22	0.45	0.38	1.71	6.33		
	C2		8	0.45	0.23	1.71	1.41		
	C3		2	0.07		0.45	0.06		
	or Tie beam at Eave level								
	B1 &TB4		2	35.75	0.23	0.45	7.40		
	B6 &TB7		2	18.00	0.23	0.45	3.73		
	B2 &TB3		2	2.35	0.23	0.30	0.32		
	B5		1	4.69	0.23	0.30	0.32		
	of Portico		1	6.55	3.49	0.18	3.99		
	jection Slab		2	41.00	1.15	0.20	18.86		
						Total Modified Qty	57.43		
						Total Schedule-B Qty	84.60		
						Qty Up to 125%	57.43	6930.36	398010.57

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate	Amount
				L	B	D		In Rs.	In Rs.
E2	KSRB 4-6.7 :Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (Item No.4.34, Page No.16, SR: 2016-17)								
	INDOOR GAME BUILDING								
	Forst Floor Level								
	Coloumns								
	C1		22	1.65		2.13	77.32		
	C2		8	1.36		2.13	23.17		
	C3		2	0.07		0.88	0.12		
	For Tie beam at Eave level								
	TB1 &TB4		4	35.75		0.45	64.35		
	TB6 &TB7		4	18.00		0.45	32.40		
	TB2 &TB3		4	2.35		0.30	2.82		
			2	2.35		0.23	1.08		
	TB5		2	4.69		0.30	2.81		
			1	4.69		0.23	1.08		
						Total Modified Qty	205.16	298.08	61,153.97
	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/rrim2 confirming to JS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 \ including cost of ail materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.54 (Item No.5.26.1, Page No.25, SR: 2016-17)								
	INDOOR GAME BUILDING								
	For FF Level								
	3rd and Final Bill								
	South Side		1	41.00		1.63	66.83		
	North Side		1	41.00		1.63	66.83		
	East Side		1	7.10		1.63	11.57		
			1	7.15		1.63	11.65		
	West Side		1	19.80		1.63	32.27		
	Deductions Coloumns		-18	0.38		1.63	-11.00		
			-6	0.23		1.63	-2.25		
	Above Tie Beam						0.00		
	South Side		1	41.00		1.10	45.10		
	North Side		1	41.00		1.10	45.10		
	East Side		1	19.80		2.20	43.56		
	West Side		1	19.80		2.20	43.56		
	Gutter		2	41.00		0.40	32.80		
			2	19.80		0.40	15.84		
						Total Modified Qty	401.87	1044.36	419696.54

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Sl. No	Description of Work	Unit	No	Dimension			Quantity	Rate in Rs.	Amount in Rs.
				L	B	D			
E4	Chiken mesh (Sl.No-716, Code no-0092, Page No.XXVIII, SR: 2016-17)								
		Sqm							
	Eave Wall(parapaet Wall)		4	41.00		1.50	246.00		
							246.00	13.73	3376.79
E5	KSRB15-3.8 : Providing **18mm thick cement plaster in single coat** with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.(Item No.15.16, Page No.114, SR: 2016-17)								
	For FF Level	Sqm							
	Eave Wall(parapaet Wall)		4	41.00		1.50	246.00	249.48	61372.08
								Total Construction Cost	13180748.40
								KRIDL Charges	1449882.32
								DPR and PMC Cost	263614.97
								Sub Total	14894245.69
								Miscellaneous & Rounding Off	105754.31
								Grand Total	15000000.00

Certificate:-

1) The work spot has been inspected and the work is found necessary.

2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.

3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17

Assistant Engineer
Dasarahalli Project Division
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

ನಂ: CE/TR/TS/26/18-19 ದಿನಾಂಕ : 06/03/2019
ರೂ. 13181 Rs/-
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

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